

What is claimed is:

1. A paper product including a paper sheet having metallic particles dispersed over at least one surface of the paper sheet in a uniform but random fashion, the metallic particles being essentially bound in the paper sheet.

2. A paper product according to claim 1 wherein the metallic particles comprises an aluminum foil.

3. A paper product according to claim 1 in which the metallic particles have an average particle size of .002 inches by .002 inches (50 microns) and an average thickness of .0007 inches (18 microns).

4. A paper product according to claim 1 in which the metallic particles have a silver color.

5. A paper product according to claim 1 in which the paper sheet and metallic particles are coated with an ethylated starch.

6. A paper product according to claim 1 in which the metallic particles are embedded in the paper sheet and are not readily removable.

7. A paper product according to claim 1 in which the paper is colored.

8. A paper product according to claim 1 in which metallic particles are embedded in both surfaces of the paper sheet.

9. A process of making a paper sheet having metallic particles, comprising the steps of:

preparing a paper pulp mix;

adding metallic particles to the pulp mix;

depositing the pulp mix on a fourdrinier fabric of a fourdrinier papermaking machine to form a web;

wet pressing and sizing said web; and

drying said web to form said paper sheet.

10. A process according to claim 9, wherein said metallic particles comprise 2-4% by weight of the pulp mix.

11. A process according to claim 9, in which the metallic particles are added to the pulp mix in a pulper tank and are dispersed throughout the pulp mix by agitation.

12. A process according to claim 10, wherein the metallic particles are subjected to agitation in the pulp mix for 30 to 45 minutes.

13. A process according to claim 11 wherein the metallic particles are contained within a paper bag when added to the pulp mix in the pulper tank.

14. A process according to claim 9, in which an ethylated starch solution is applied to the paper sheet.